

12/518934

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#2

In re application of

Docket No: Q85487

Kazuyuki TOHJI, et al.

Appln. No.: not yet assigned
National Stage Entry of PCT/JP2003-07160

Confirmation No.: not yet assigned

Group Art Unit: not yet assigned

Filed: December 22, 2004

Examiner: not yet assigned

For: HIGHLY ACTIVE PHOTOCATALYST AND PROCESS FOR PRODUCING THE
SAME

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after

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DT09 Rec'd USPTO 22 DEC 2004

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filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of a Communication from a foreign patent office in a counterpart application citing such documents, together with an English-language version (if not already included) of at least that portion of the Communication indicating the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: December 22, 2004

Substitute for Form 1449 A & B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	PCT/JP2003-07160
Confirmation Number	Not yet assigned
Filing Date	December 22, 2004
First Named Inventor	Kazuyuki TOHJI
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	Q85487

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 4,427,749	A	1/24/1984	Michael GRAETZEL
		US			
		US			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	2001-190964	A	7/17/2001	Kazuyuki TOJI et al.	
		JP	2001-157843	A	6/12/2001	Director General, Agency of Industrial Science and Technology	
		JP	7-313884	A	12/5/1995	Riken Corp.	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Takeo ARAI et al., "Stratified CdS Hikari Shokubai o Mochiita Kashiko ni yoru Suiso Seiiku", Shigen · Sozai Gakkai Shunki Taikai Koenshu, 28 March, 2002 (28.03.02), No. 2, pages 126 to 127	
		Kazuyuki TOJI, "Iou Riyo no Shintenkai -Taiyoko o Riyo shite Ryuka Suiso kara Suiso o Tsukuru- " Sulphuric Acid and Industry, 15 January, 2002 (15.01.02), Vol.55, No. 1, Pages 7 to 14	
		Kazuyuki TOJI, "Stratified Hikari Shokubai o Mochiita Taiyoko ni yoru Suiso no Seiiku", Shigen · Sozai, 24 September, 2001 (24.09.01), Vol.2001, No. C/D, pages 137 to 140	
		Kozo SHINODA et al., "Yoeki Kagaku Hanno o Riyo shita Kinzoku Ryukabutsu Handotai Hikari Shokubai no Sakusei to sono Tokusei", Shigen · Sozai Gakkai Shunki Taikai Koenshu, 27 March, 2003 (27.03.03), No. 2, pages 132 to 133	
		International Search Report for PCT/JP2003-07160 dated September 2, 2003	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.